

## **Tunable Optical Add/Drop Device**

### **Abstract**

Improved designs of optical devices for processing optical signals with one or more specified wavelengths are disclosed. According to one embodiment, a filter mirror assembly appears an "L" shape and provides a filtering function as well as a reflecting function. The filter mirror assembly is so mounted that a rotation thereof will not alter the optical path or the beam positions of signals resulted from a rotation of the filter mirror assembly. To cancel or minimize a lateral shift introduced to a light beam going through an optical filter, an optical compensator is introduced and rotates oppositely whenever the optical filter rotates.